AMENDMENTS TO THE CLAIMS

In the claims, please amend claims 5 and 12 as follows:

1-4. (canceled)

5. (currently amended) A process for delivering a polynucleotide to the cytoplasm of a cell in vitro consisting of:
   a) forming a styrene-maleic anhydride random copolymer;
   b) reacting hydrophobic amines or hydrophobic alcohols with anhydride monomers in the copolymer thereby forming a membrane active ~~polymer~~ polyanion capable of lysing mammalian cell membranes at pH 6.5; and
   c) contacting said cell with said polynucleotide and said membrane active ~~polymer~~ polyanion such that the ~~compound~~ polynucleotide and the ~~polymer~~ membrane active polyanion are endocytosed by the cell.

6. (canceled)

7. (previously presented) The process of claim 5 wherein the hydrophobic amines consist of alkyl amines.

8. (previously presented) The process of claim 7 wherein a functional group is covalently linked to an anhydride monomer in the polymer.

9-11. (canceled)

12. (currently amended) A process for delivering a polynucleotide to the cytoplasm of a cell in vitro consisting of:
   a) forming a butyl vinyl ether-maleic anhydride alternating copolymer;
   b) reacting hydrophobic amines or hydrophobic alcohols with anhydride monomers in the copolymer thereby forming a membrane active ~~polymer~~ polyanion capable of lysing mammalian cell membranes at pH 6.5; and
   c) contacting said cell with said polynucleotide and said membrane active ~~polymer~~ polyanion such that the ~~compound~~ polynucleotide and the ~~polymer~~ membrane active polyanion are endocytosed by the cell.

13.-15. (canceled)

16. (previously presented) The process of claim 12 wherein the hydrophobic amines consist of alkyl amines.

17. (previously presented) The process of claim 12 wherein a functional group is covalently linked to an anhydride monomer in the polymer.

18-20. (canceled)

21. (previously presented) The process of claim 8 wherein the functional group is selected from the group consisting of: targeting groups, steric stabilizers, membrane active compounds, and reactive groups.
22. (previously presented) The process of claim 17 wherein the functional group is selected from the group consisting of: targeting groups, steric stabilizers, membrane active compounds, and reactive groups.